

Converting Colors

XYZ(78.5345, 87.9028, 56.6256)

Have a look what the booklet for
XYZ(78.5345, 87.9028, 56.6256)
contains.

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Color

**XYZ(78.6491, 88.0535,
56.5668)**

Conversions

Conversions Part 1

Format	Color
Hex	F5F5B5
RGB	245, 245, 181
RGB Percent	96%, 96%, 71%
CMY	0.0392, 0.0392, 0.2902
CMYK	0.00, 0.00, 0.26, 0.04
HSL	60°, 76%, 84%
HSV	60°, 26%, 96%
XYZ	78.6491, 88.0535, 56.5668
YIQ	237.7040, 20.5440, -19.9040

Conversions

Conversions Part 2

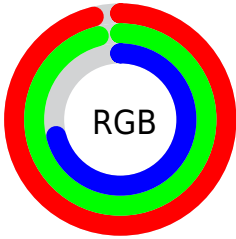
Format	Color
RYB	181, 245, 181
Decimal	16119221
CIELab	95.18, -9.83, 30.92
CIELCh	95, 32.440, 107.632
Yxy	88.0535, 0.3523, 0.3944
Android (android.graphics.Color)	4294309301 (0xFFFF5F5B5)
YUV	237.7040, -27.9551, 6.3986
Hunter-Lab	93.8368, -14.6051, 29.9445

Details

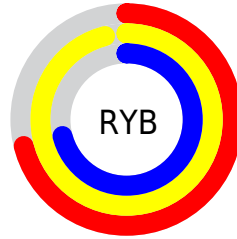
The XYZ color **78.6491, 88.0535, 56.5668** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.0646, 49.4663, 93.1951**, and the grayscale version is **81.2392, 85.4700, 93.0768**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **42.8329, 48.6451, 27.5540** is the 20% darker color. If you saturate the color by 10%, you get **76.3532, 87.1381, 44.4707**, and if you desaturate by 10%, it is **81.3917, 89.1537, 70.9949**.

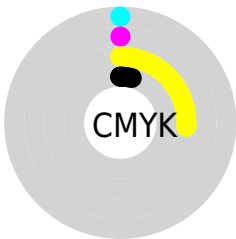
Distribution



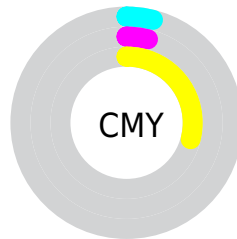
- Red (96%)
- Green (96%)
- Blue (71%)



- Red (71%)
- Yellow (96%)
- Blue (71%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.6491, 88.0535, 56.5668 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.6491, 88.0535, 56.5668 by changing the saturation by 10% instead.

78.6491, 88.0535,
56.5668

78.6491, 88.0535,
56.5668

479.1746,
521.6784, 429.2722

58.9120, 66.3674,
40.2505

130.4253,
144.6316, 101.3269

42.7884, 48.5707,
27.4186

163.1951,
180.2924, 130.6077

29.9129, 34.2790,
17.6527

201.0398,
221.3803, 165.0472

19.9202, 23.1081,
10.5341

244.3247,
268.2795, 205.0637

12.4450, 14.6733,
5.6443

293.4154,
321.3745, 251.0760

7.1218, 8.5904,
2.5647

348.6770,

3.5854, 4.4750,

381.0498, 303.5025

0.8742

410.4749,
447.6896, 362.7617

■ 1.4704, 1.9427,
0.0000

■ 0.3055, 0.5738,
0.0000

■ 78.6491, 88.0535,
56.5668

■ 78.6491, 88.0535,
56.5668

■ 76.3532, 87.1381,
44.4707

■ 81.3917, 89.1537,
70.9949

■ 74.4740, 86.3863,
34.5792

■ 84.5956, 90.4353,
87.8625

■ 72.9886, 85.7921,
26.7609

■ 88.2832, 91.9105,
107.2772

■ 71.8688, 85.3441,
20.8687

■ 88.3638, 91.9428,
107.6972

71.0832, 85.0297,
16.7358

88.3645, 91.9432,
107.6972

70.5947, 84.8342,
14.1672

88.3653, 91.9436,
107.6973

70.3572, 84.7392,
12.9208

88.3661, 91.9440,
107.6973

70.3049, 84.7182,
12.6468

88.3669, 91.9444,
107.6973

88.3677, 91.9448,
107.6974

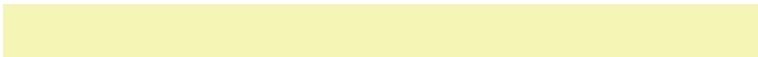
Harmonies

Analogous

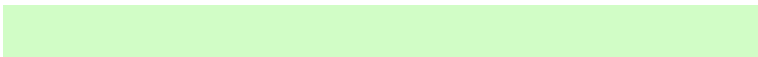
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3856, 88.0535, 55.7569



78.6491, 88.0535, 56.5668



71.7529, 88.0535, 66.6726

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6491, 88.0535, 56.5668



72.7535, 88.0535, 136.5209



101.4152, 88.0535, 106.6835

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.6491, 88.0535, 56.5668



52.0646, 49.4663, 93.1951

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8875, 88.0535, 132.5593



78.6491, 88.0535, 56.5668



80.1044, 88.0535, 151.7119

Square

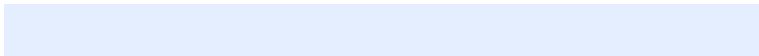
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6491, 88.0535, 56.5668



68.5174, 88.0535, 111.3872



88.9464, 88.0535, 150.1463



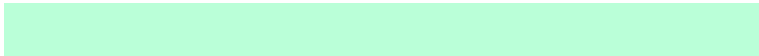
100.9568, 88.0535, 81.8748

Rectangle

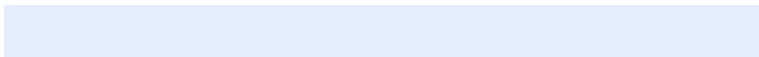
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6491, 88.0535, 56.5668



68.9387, 88.0535, 78.5193



88.9464, 88.0535, 150.1463



100.4134, 88.0535, 115.6171

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.6514, 88.0574, 56.5687



91.9370, 98.7547, 92.5106



62.5234, 55.7985, 51.1921



19.5611, 21.0907, 19.1843



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

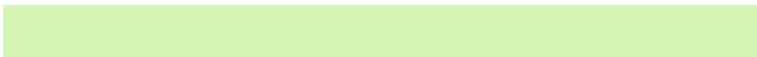
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6514, 88.0574, 56.5687



84.8289, 95.9112, 55.0901



68.4368, 82.7917, 56.0906



17.9146, 19.3135, 17.5813



37.8726, 45.6368, 6.8127



3.3287, 4.0111, 0.5988

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.0646, 49.4663, 93.1951



51.4604, 47.4762, 101.0593



60.4485, 53.7884, 93.5874



15.5814, 15.9268, 20.7955



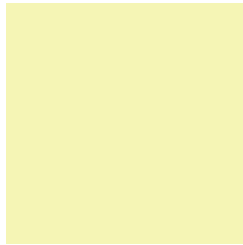
8.8791, 3.5517, 46.7556



0.7804, 0.3122, 4.1094

Previews

White Background



This preview shows how the XYZ color 78.6491, 88.0535, 56.5668 looks on a white background.

Color Contrast Check

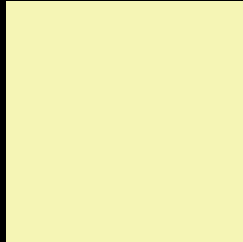
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.6491, 88.0535, 56.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

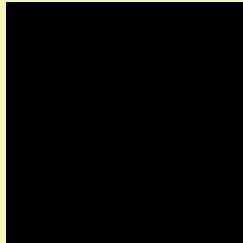
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6491, 88.0535, 56.5668

Background



This preview shows how black text looks on a background with the XYZ color 78.6491, 88.0535, 56.5668.

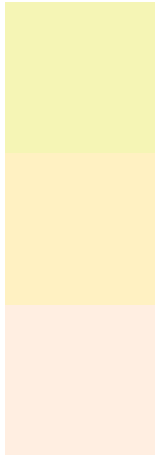


This preview shows how white text looks on a background with the XYZ color 78.6491, 88.0535,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.6491, 88.0535, 56.5668

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

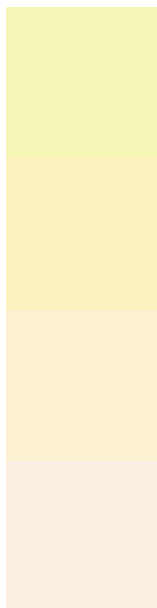
85.4051, 87.8453, 83.6887



Tritanopia

88.4708, 87.6432, 106.0199

Trichromacy



Original Color

78.6491, 88.0535, 56.5668

Protanomaly

80.7211, 87.6876, 60.8151

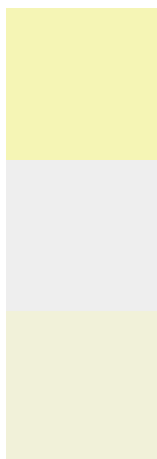
Deuteranomaly

82.7476, 88.0233, 72.9505

Tritanomaly

84.5153, 87.7883, 85.1634

Monochromacy



Original Color

78.6491, 88.0535, 56.5668

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.2553, 86.6211, 78.1353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6491, 88.0535, 56.5668 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(245, 245, 181)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 181)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(245, 245, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 181) }
```

Border

The CSS property to change the border of an element to XYZ 78.6491, 88.0535, 56.5668 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 245, 181) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(245, 245, 181) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(245, 245, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 181);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6491, 88.0535, 56.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 181) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(245,  
245, 181) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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